Reference 5

ANTIMICROBIAL COMPOSITION

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Applicant(s): KANEBO LTD; TANAKA PRECIOUS METAL IND +

Classification:

- International: *A61K9/14; A01N25/08; A61K33/24; A61K33/34; A61K33/38; A61K47/02; A61P31/04; A61K9/14; A01N25/08; A61K33/24; A61K33/34; A61K33/38; A61K47/02; A61P31/00;* (IPC1-7): A01N25/08; A61K9/14; A61K33/24; A61K33/34; A61K33/38; A61K47/02

- European:

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Abstract of JP 2268103 (A)

PURPOSE:To obtain the subject composition having improved processability in production of antimicrobial product and antimicrobial property with small specific gravity as a whole and large surface area of metallic compound having antimicrobial action by adhering the metallic compound onto the surface of fine particle of titanium oxide. CONSTITUTION:Fine particles of titanium oxide preferably having <=1mum averaged particle diameter are used as carriers and a metallic compound having antimicrobial properties, preferably silver oxide, silver chloride and/or copper oxide is adhered on the surface of the carrier having small specific gravity in an amount of >=1wt.% to said carrier. Respectively >=0.5wt.% are used in a case of using the both of silver compound and copper compound to reduce specific gravity. Said compound is added to fiber product, film, plastic molded product or paint, etc., in production of same product to suppress or inhibit deviated dispersing by sedimentation in producing antimicrobial product and to make easy to handle, and simultaneously make ionization easy by enlarging the surface area of said metallic compound to afford antimicrobial composition having exceedingly improved antimicrobial properties in lower cost than conventional product.